

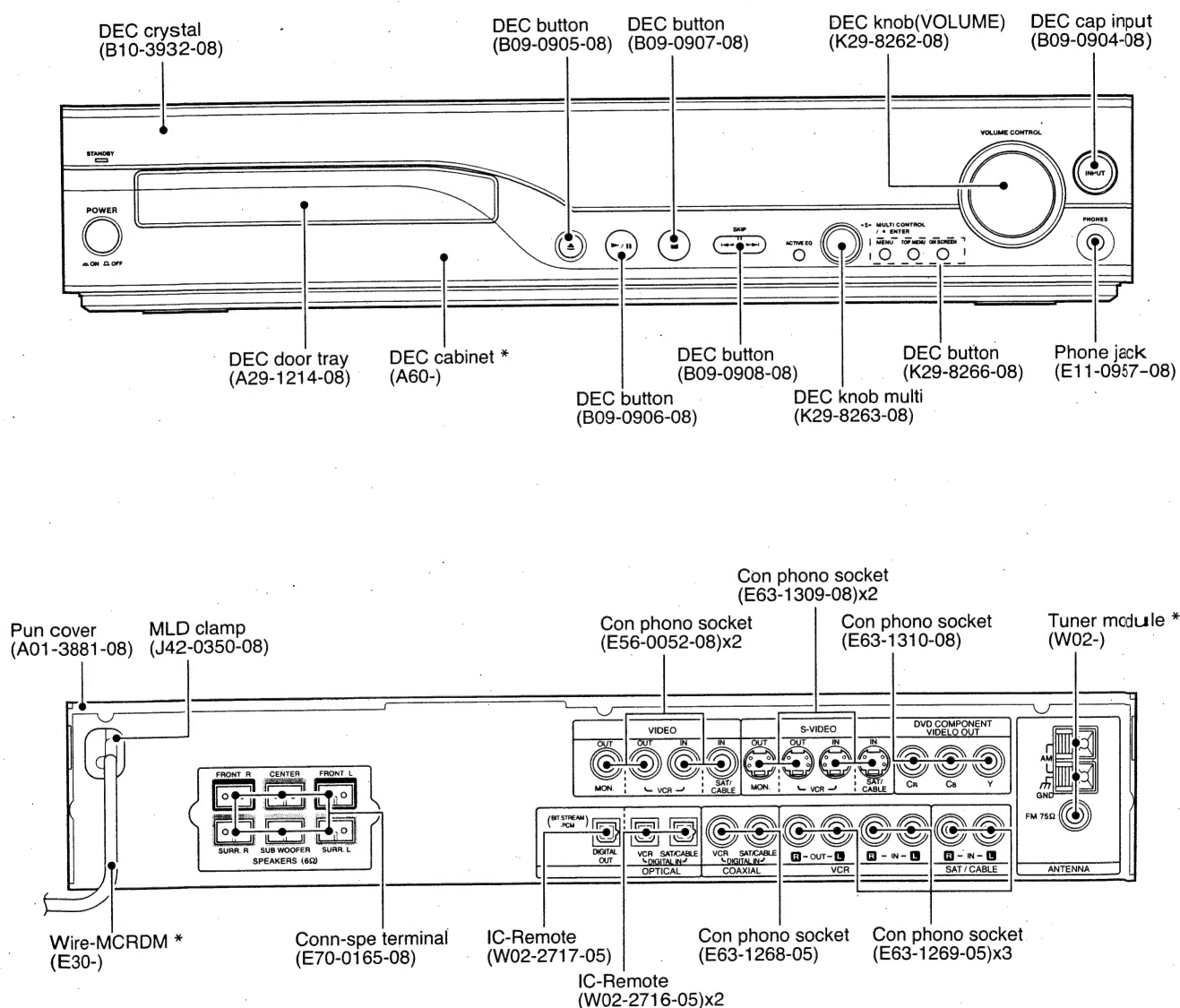
DVR-8100

SERVICE MANUAL

(DVT-8100)

KENWOOD

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B51-5824-00 (K/K) 1836



*** Refer to parts list on page 24.**

In compliance with Federal Regulations, following are reproduction of labels on, or inside the product relating to laser product safety.

Caution : No connection of ground line if disassemble the unit. Please connect the ground line on rear panel, PCBs, Chassis and some others.

KENWOOD Corp. certifies this equipment conforms to DHHS Regulations No.21 CFR 1040. 10, Chapter 1, subchapter J.

**DANGER : Laser radiation when open and interlock defeated.
AVOID DIRECT EXPOSURE TO BEAM.**



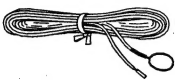
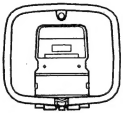


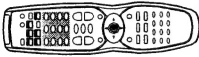
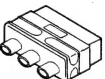

DVR-8100

CONTENTS / ACCESSORIES / CAUTIONS

Contents

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INTERCONNECTION DIAGRAM	5	SPECIFICATIONS	Back cover

Accessories

<p>FM indoor antenna (1) (T90-0882-08)</p> 	<p>Loop antenna (1) (T90-0896-08)</p> 	<p>Video cord (1) (E30-1427-05)</p> 	<p>Speaker cords (6) (E30-7265-08): RD (E30-7286-08): WH (E30-7285-08): VT (E30-7283-08): GN (E30-7269-08): GY (E30-7284-08): BL</p> 
<p>Remote control unit (1) (A70-1600-08): X (A70-1601-08): ET</p> 	<p>SCART plug adaptor (1) (Europe and U.K. only) (E69-0012-05)</p> 	<p>Batteries (R6/AA) (2)</p> 	

SYSTEM CONFIGURATION

SYSTEM	MAIN UNIT	SPEAKER
DVT-8100	DVR-8100	KSW-8100

Cautions

Speaker model names

System	Speakers
DVR-8100	KSW-8100 (Left speaker, right speaker, center speaker, surround speakers and subwoofer)

Note related to transportation and movement

Before transporting or moving this unit, carry out the following operations.

- ① Remove the disc from the unit.
- ② Press the ►/II key.

- ③ Wait a few seconds and turn the unit OFF.



Manufactured under license from Dolby Laboratories. "DOLBY", "Pro Logic" and the double-D symbol are trademarks of Dolby Laboratories.



"DTS" and "DTS Digital Surround" are trademarks of Digital Theater Systems, Inc.

Operation to reset

The microcomputer may fall into malfunction (impossibility to operate, erroneous display, etc.) when the power cord is unplugged while power is ON or due to an external factor. In this case, execute the following procedure to reset the microcomputer and return it to normal condition.

Set the POWER switch to ON (set to Standby mode). Then press the ► key, ◀ key and STOP key in this order.

- Please note that resetting the microcomputer clears the contents stored in and returns to condition when it left the factory.

The marking of products using lasers (For countries other than U.S.A., U.S.-Military and Canada)

CLASS 1
LASER PRODUCT

The marking this product has been classified as Class 1. It means that there is no danger of hazardous radiation outside the product.

Location: Back panel

CAUTION
VISIBLE LASER RADIATION
WHEN OPEN DO NOT
STARE INTO BEAM.

Inside this laser product, a laser diode classified as Class 2 laser radiation is contained as alerted by the internal caution label shown above. Do not stare into beam.

Location: DVD laser pick-up unit cover inside this product

CAUTION
INVISIBLE LASER RADIATION
WHEN OPEN DO NOT STARE
INTO BEAM OR VIEW DIRECTLY
WITH OPTICAL INSTRUMENTS.

Inside this laser product, a laser diode classified as Class 3A laser radiation is contained as alerted by the internal caution label shown above. Do not stare into beam or view directly with optical instruments.

Location: CD laser pick-up unit cover inside this product

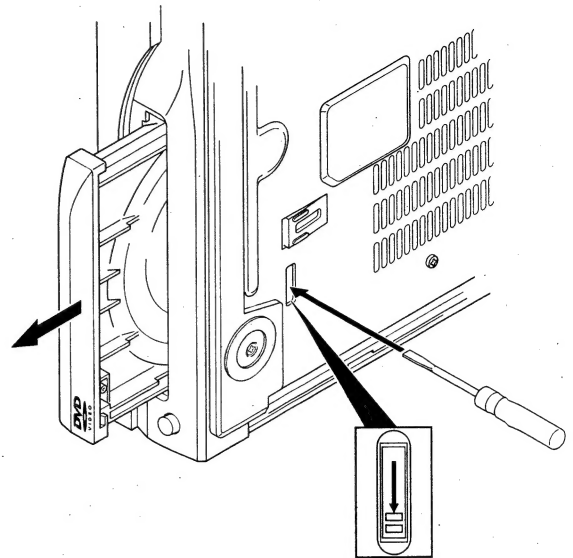
DVR-8100

DISASSEMBLY FOR REPAIR / BLOCK DIAGRAM

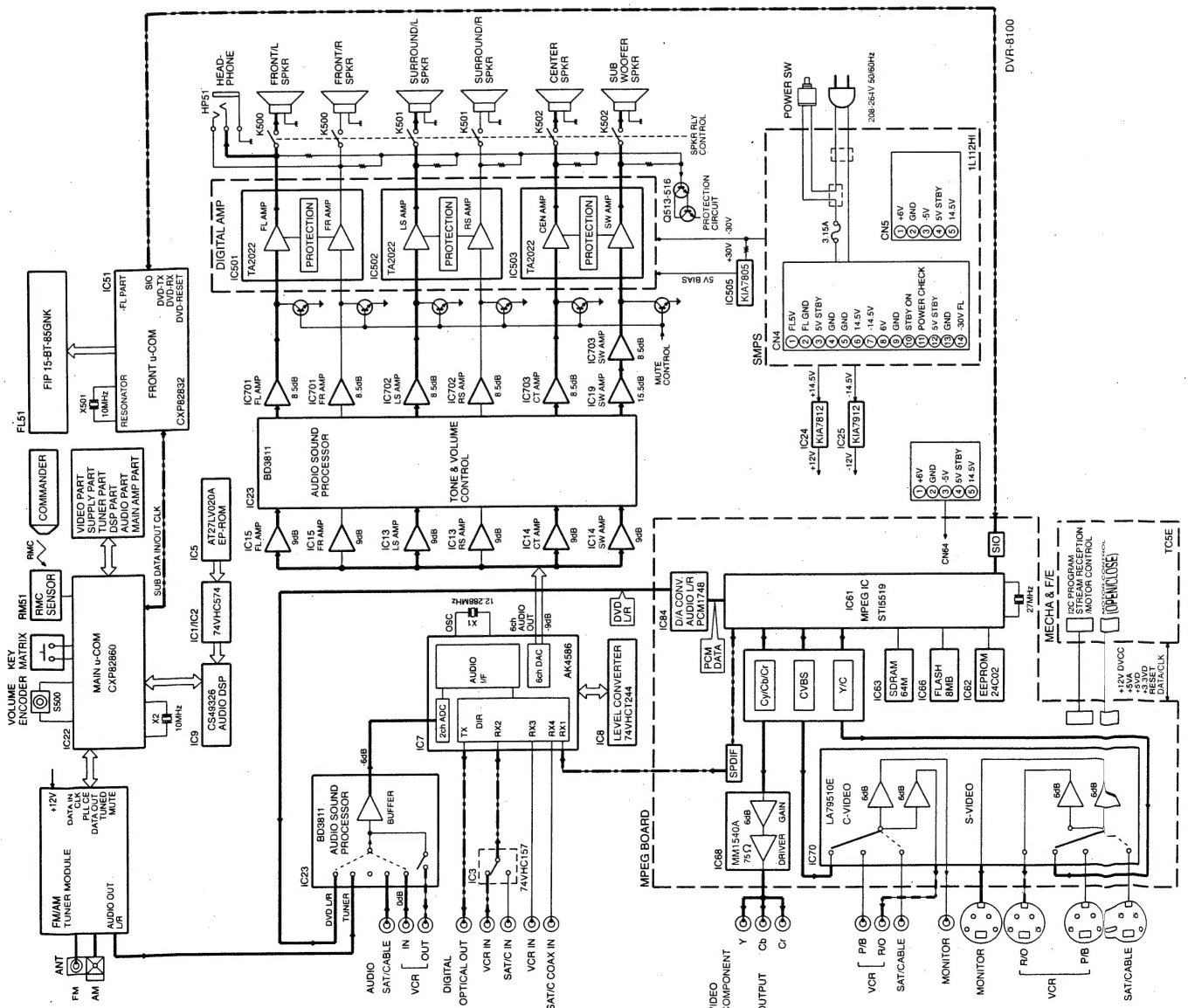
DISASSEMBLY FOR REPAIR

How to open the tray if it does not come out.

1. Insert a flat driver in the drawing through the hole on the loading chassis bottom and pull the lever down.
2. Pull out the tray frontward by hand when it comes just out.



BLOCK DIAGRAM



DVR-8100

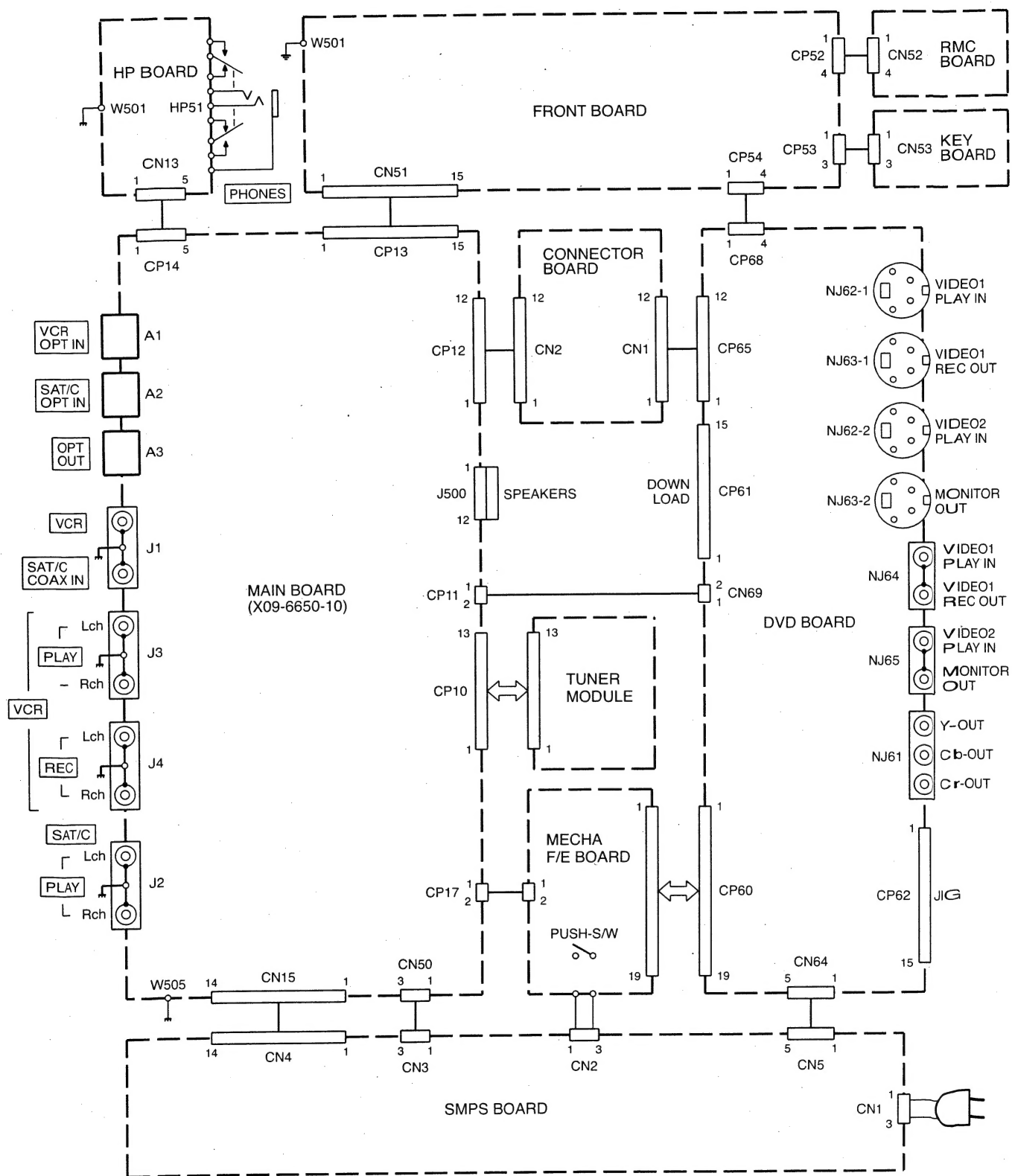
ADJUSTMENT

No.	ITEM	INPUT SETTINGS	OUTPUT SETTINGS	AMPLIFIER SETTINGS	ALIGNMENT POINTS	ALIGN FOR	FIG.
Unless otherwise specified, the individual switches should be set as following:							
POWER: ON			SELECTOR: EXCEPT TUNER				
1	OFF SET	—	Connect the DC voltmeter to speaker terminal (J500).	VOLUME: 0	*	Less than ±10mV Note: Adjust it as possible as minimum voltage (Approx: ±2mV)	

Channels	Alignment point	Speaker Terminal(J500) Pin No.
FL	VR1	3 (+) , 4 (-)
FR	VR2	11 (+) , 12 (-)
LS	VR3	1 (+) , 2 (-)
RS	VR4	9 (+) , 10 (-)
CENTER	VR5	7 (+) , 8 (-)
SW	VR6	5 (+) , 6 (-)

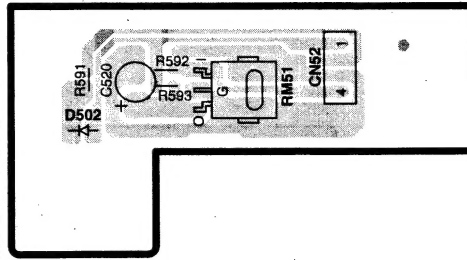
DVR-8100

INTERCONNECTION DIAGRAM



DVR-8100

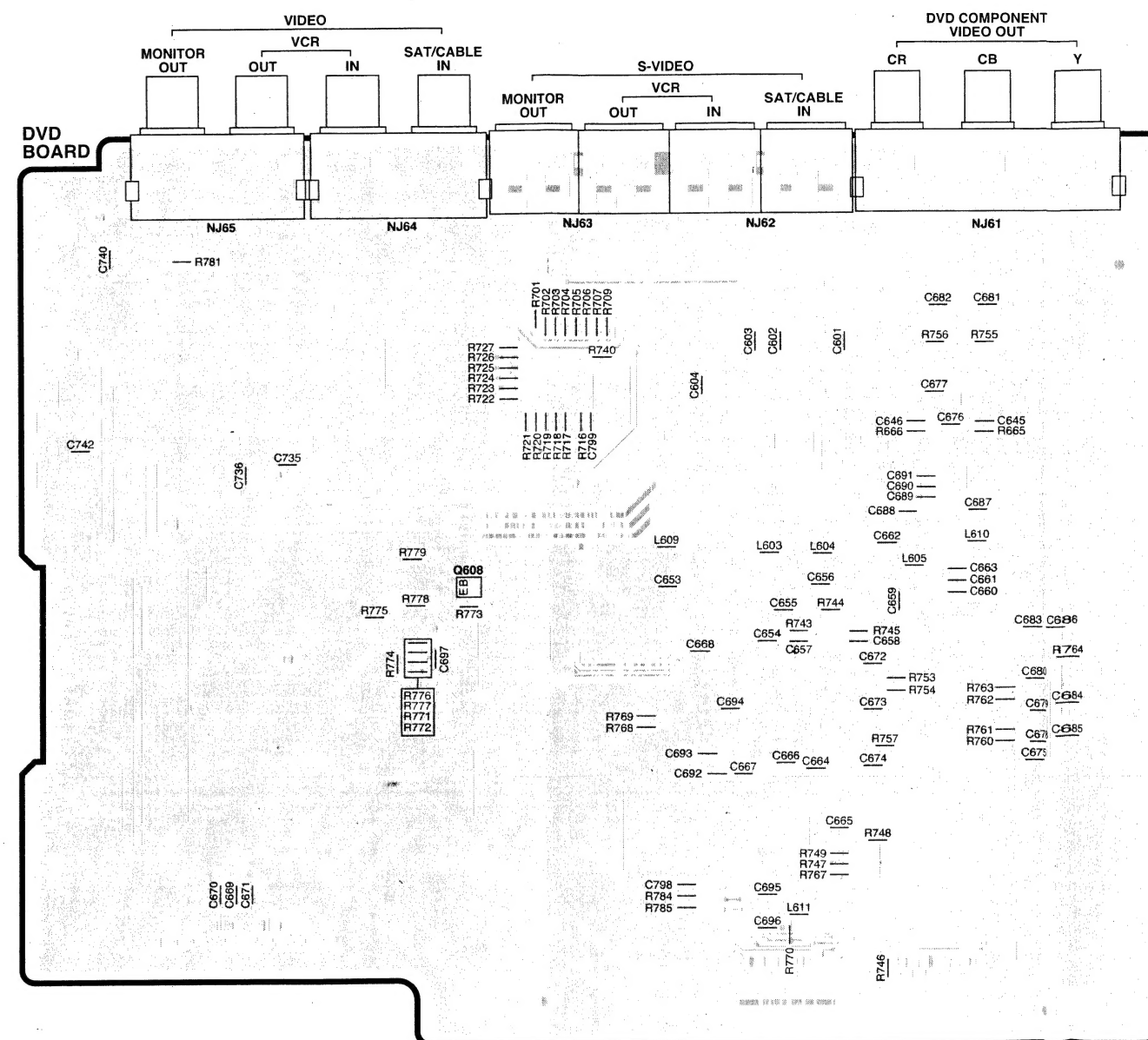
REMOTE BOARD



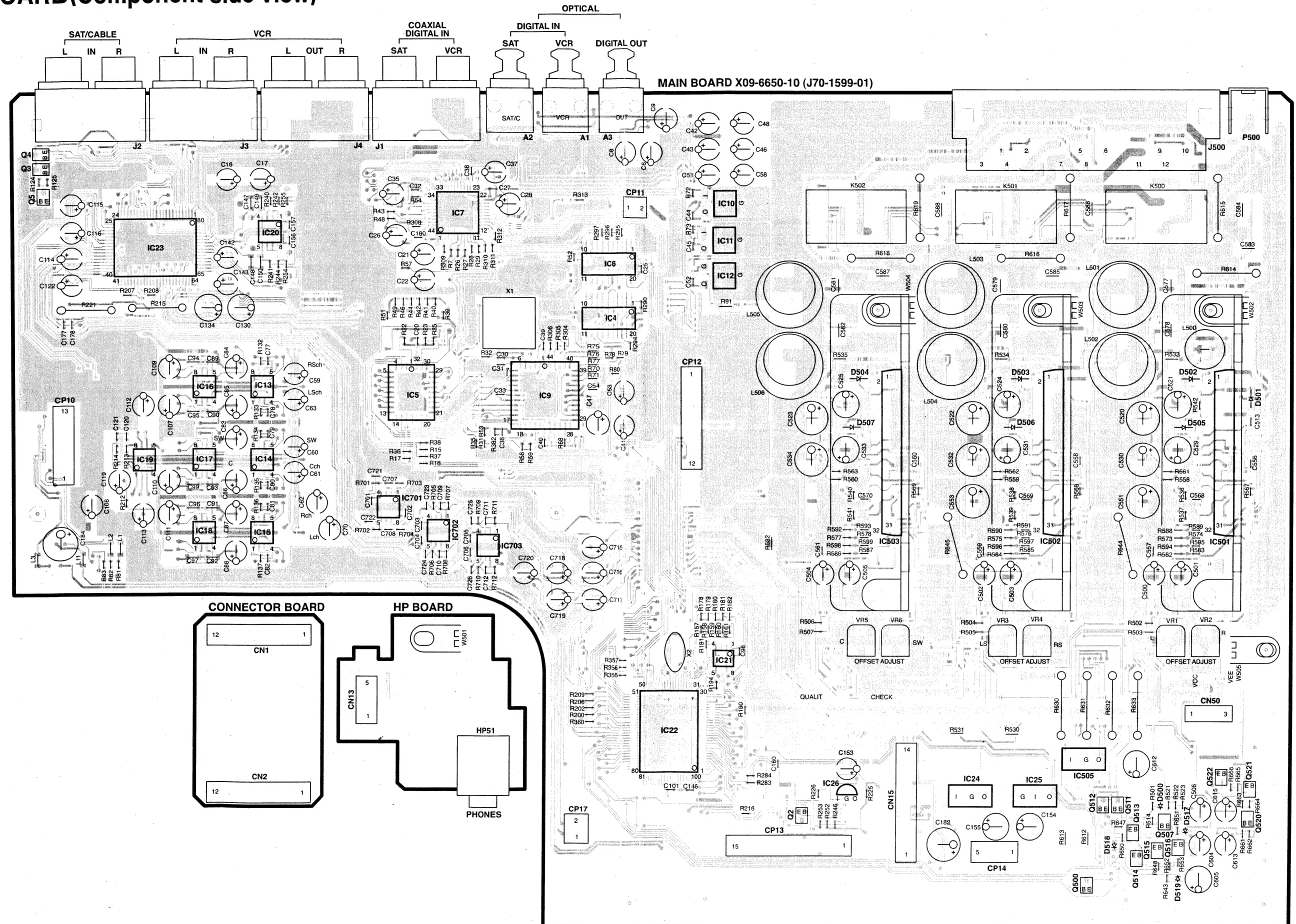
1
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6
7



8

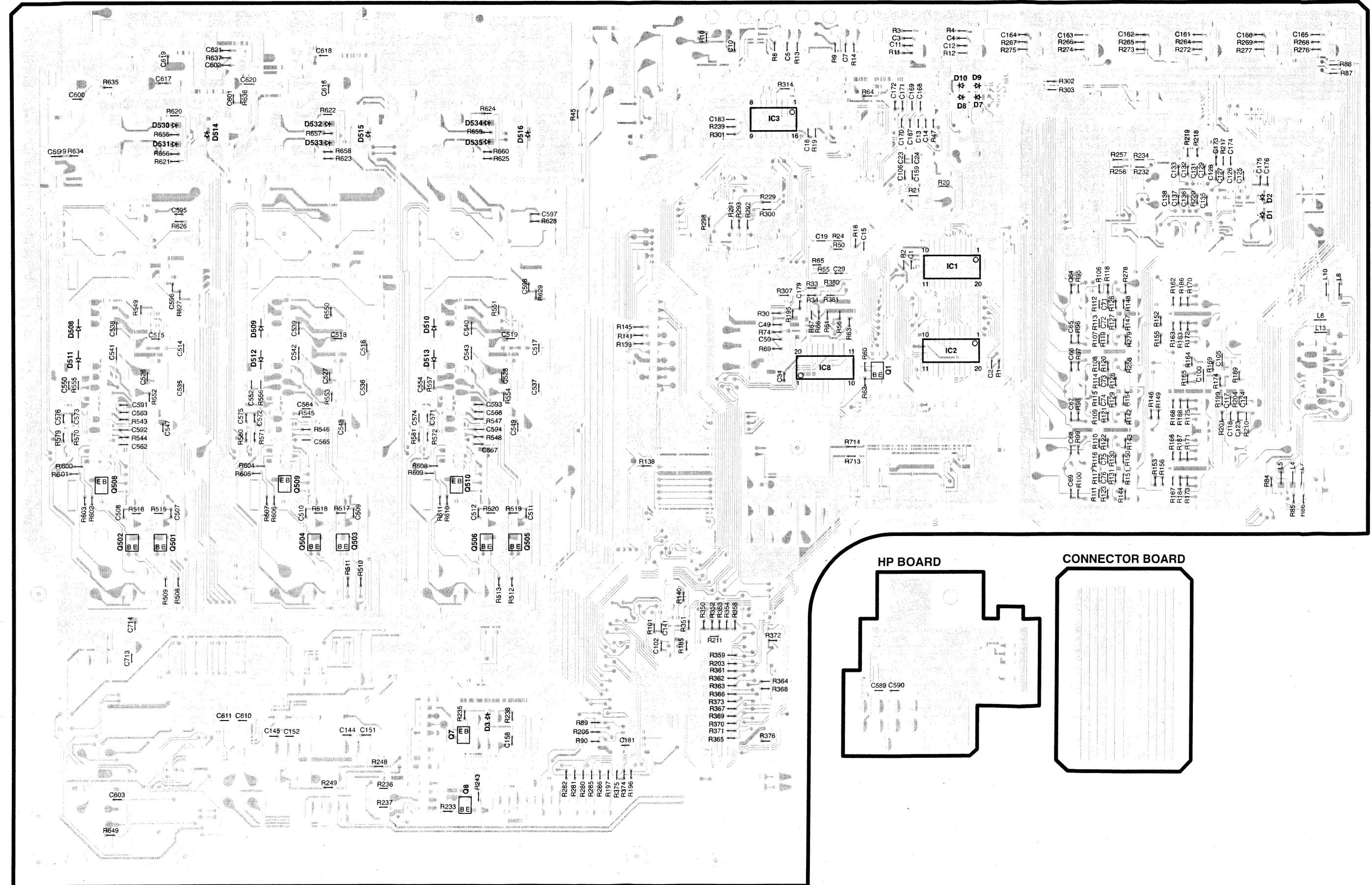


PC BOARD(Component side view)



PC BOARD(Component side view)

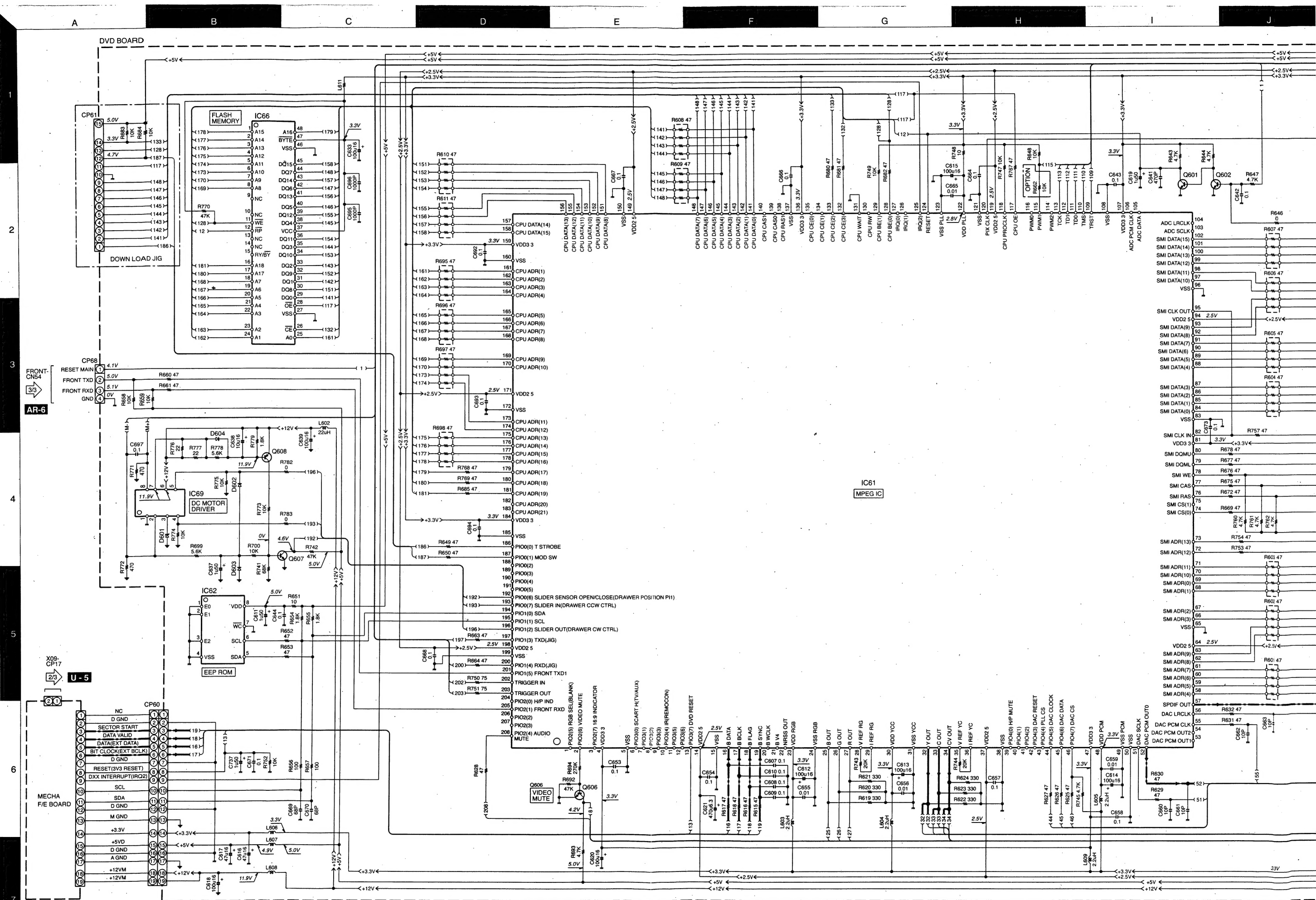
MAIN BOARD X09-6650-10 (J70-1599-01)

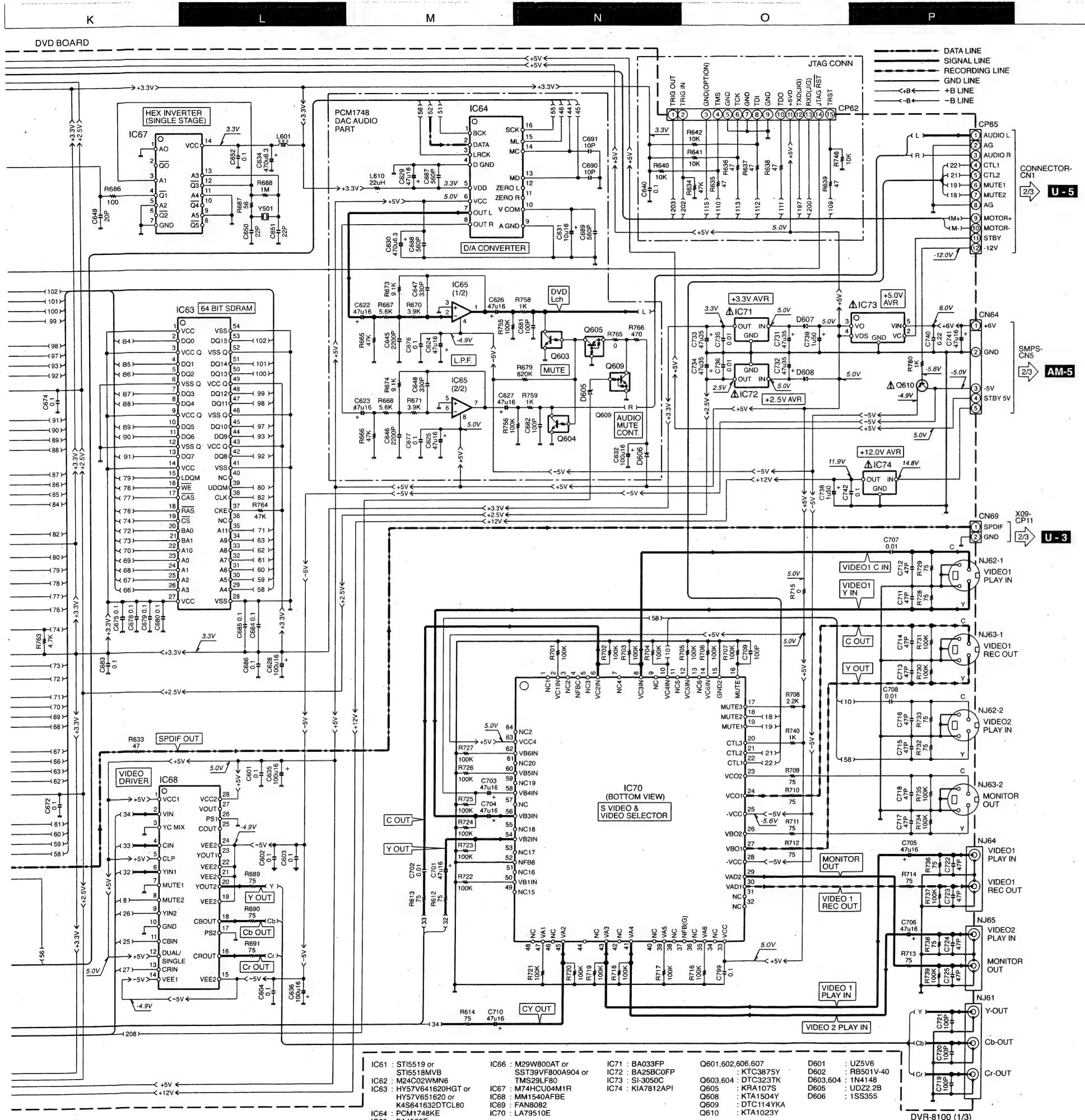


HP BOARD

CONNECTOR BOARD

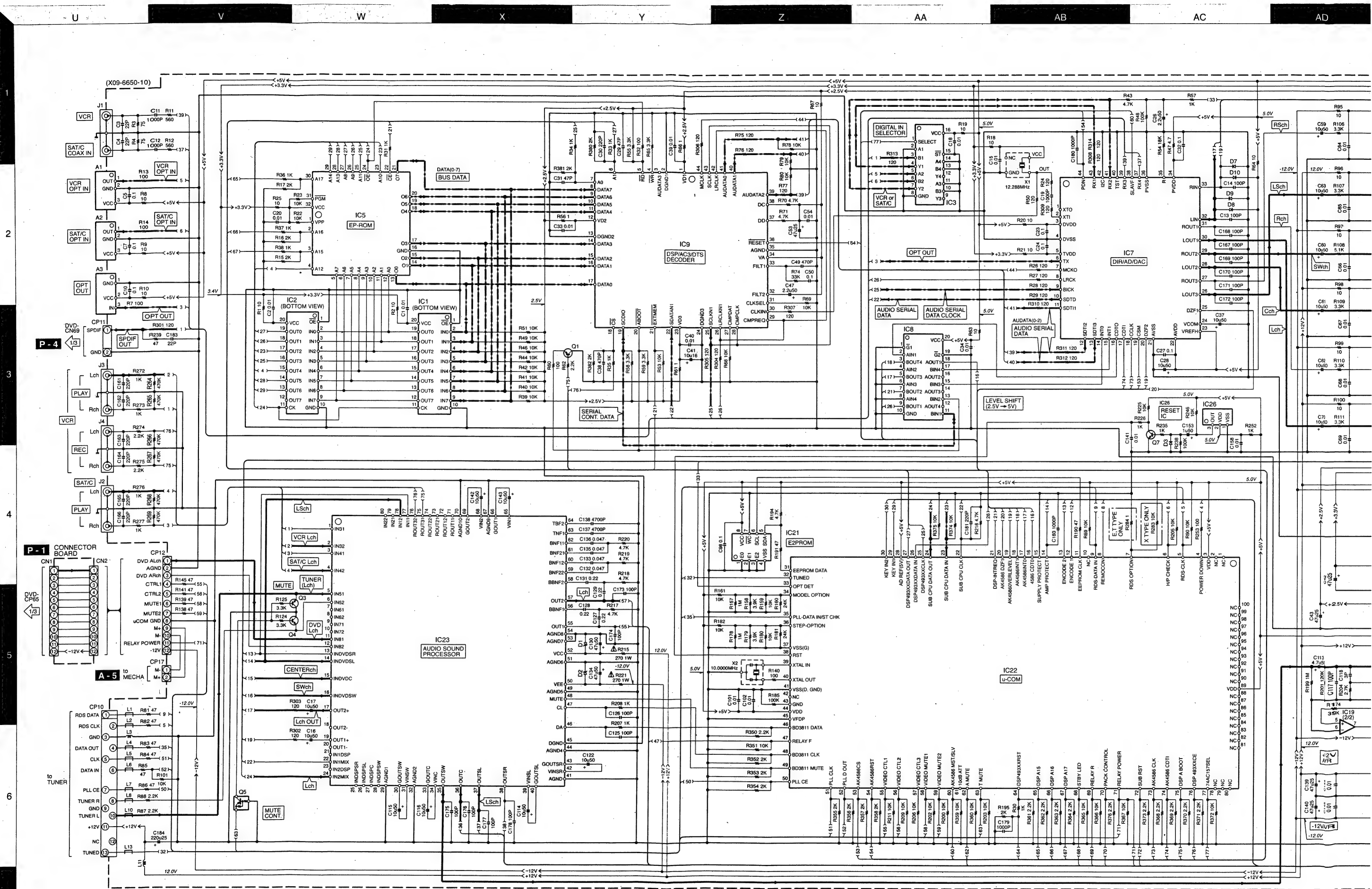
Refer to the schematic diagram for the value of resistors and capacitors.





CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.



CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

AE

AF

AG

AH

AI

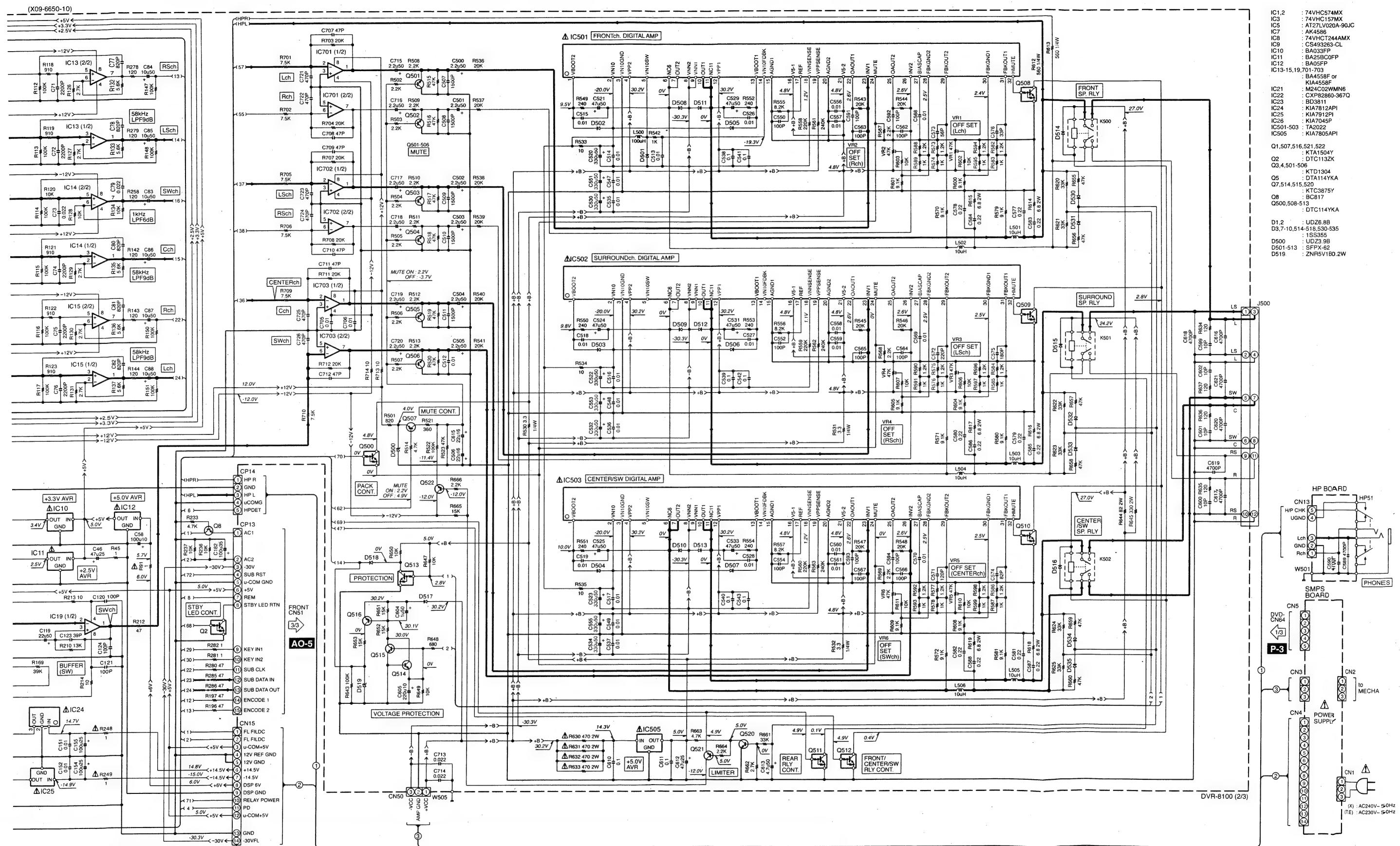
AJ

AK

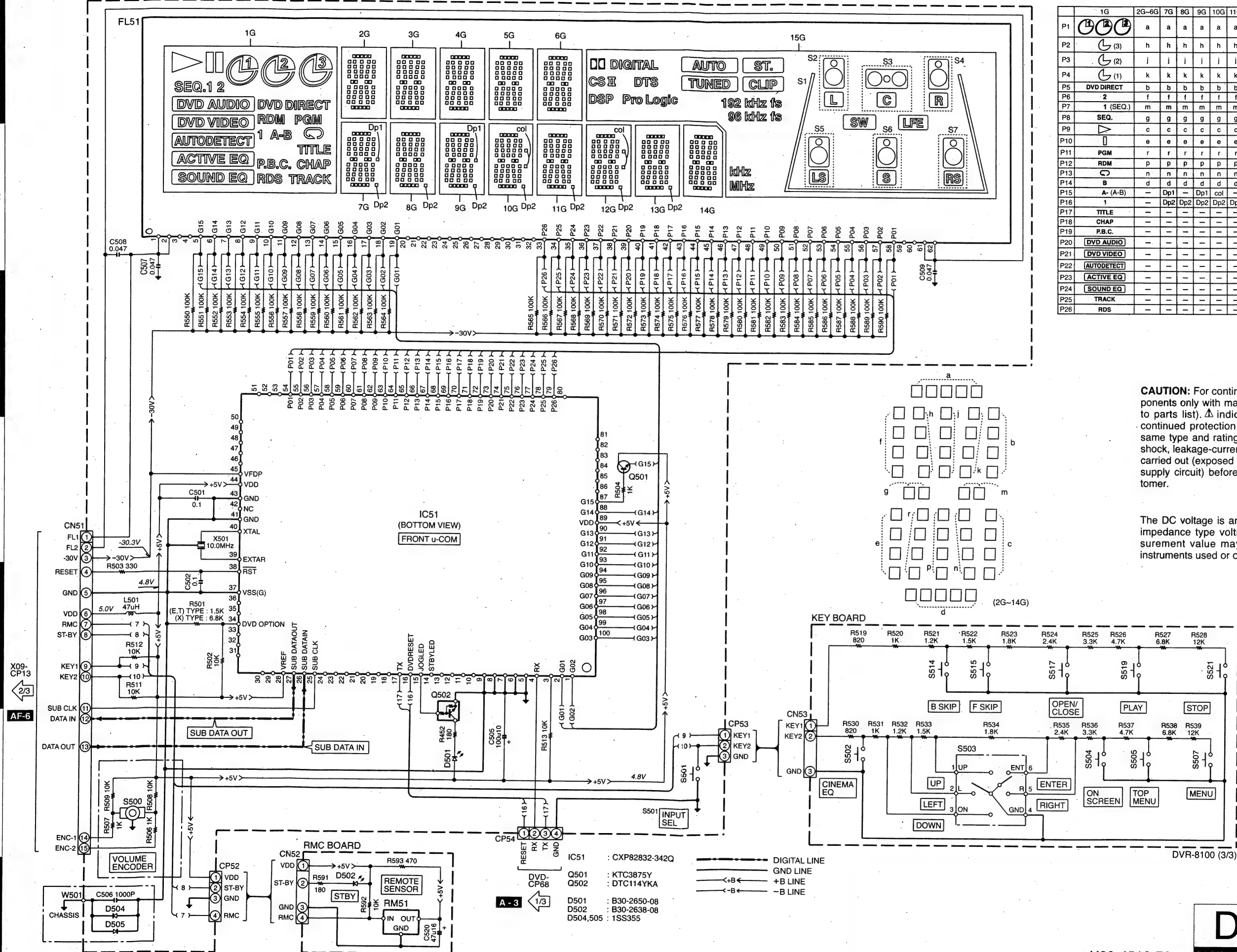
AL

AM

AN



FRONT BOARD

[illegible]

CAUTION: For continued safety, replace safety critical components only with manufacturer's recommended parts (refer to parts list). Δ indicates safety critical components. For continued protection against risk of fire, replace only with same type and rating fuse(s). To reduce the risk of electric shock, leakage-current or resistance measurements shall be carried out (exposed parts are acceptably insulated from the supply circuit) before the appliance is returned to the customer.

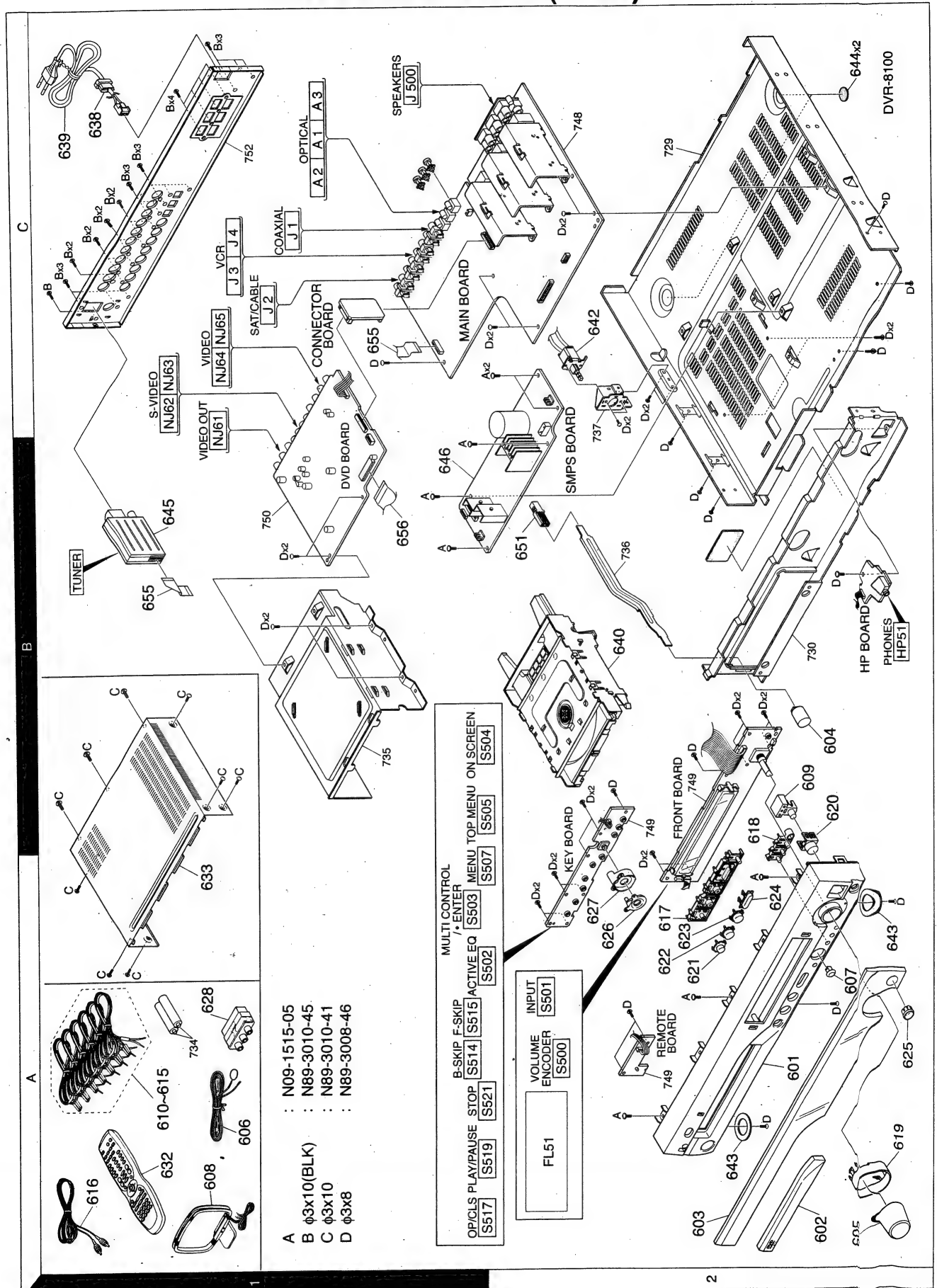
The DC voltage is an actual reading measured with a high impedance type voltmeter with no signal input. The measurement value may vary depending on the measuring instruments used or on the product.

DVR-8100
KENWOOD

Y39-4512-70

DVR-8100

EXPLODED VIEW (UNIT)



Parts with exploded numbers larger than 700 are not supplied.

DVR-8100

PARTS LIST

* New Parts
Parts without **Parts No.** are not supplied.
Les articles non mentionnés dans le **Parts No.** ne sont pas fournis.
Teile ohne **Parts No.** werden nicht geliefert.

2

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
-	-	-	H10-7818-08	MAT-PKG CUSHIO	5520874A	
-	-	-	H10-7885-08	CPL ENDCAP CUS	55320730	
-	-	-	H10-7886-08	CPL ENDCAP CUS	55320740	
-	-	-	H21-1514-08	SHEET EPE RT22	55135940	
-	-	-	H25-1712-08	CPL BAG RCA 26	55170650	
-	-	-	H25-1715-08	CPL BAG PE CRK	20715540	E
-	-	-	H25-1730-08	CPL BAG PE 250	20932750	TX
-	-	-	H25-1731-08	CPL BAG POLY V	55237020	
-	-	-	H25-1732-08	CPL BAG PE 45	55030950	E
-	-	-	H50-4774-08	CARTON BOX DVR	55320750	
-	-	-	H50-4775-08	CARTON DVR-810	55405140	T
-	-	-	H50-4776-08	CARTON DVR-810	55405170	X
-	-	-	L92-0567-08	FOORE FERRIT M	55091680	

L: Scandinavia
Y: PAF(East Hawaii)
Y: AAF(Europe)
K: USA
T: England
X: Australia
P: Canada
E: Europe
Q: Russia
R: Mexico
G: Germany
H: Korea
C: China
V: China(Shanghai)
M: Other Areas
I: Malaysia
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1

Ref. No	Add- ress	New Parts	Parts No.	Description	Desti- nation	Re- marks
DVR-8100						
601	2A	*	A60-2315-08	DEC CABINET PA	55320430	ET
601	2A	*	A60-2316-08	DEC CABINET PA	55405130	X
602	2A	*	A29-1214-08	DEC DOOR TRAY	55320440	
603	2A	*	B10-3532-08	DEC CRYSTAL WL	55320450	
604	2B	*	K29-8261-08	DEC KNOB POWER	55320460	
605	2A	*	K29-8262-08	DEC KNOB VOLUME	5532047A	
606	1A	*	T90-0882-08	ANTENNA WIRE F	55127470	
607	2A	*	K29-8263-08	DEC KNOB MULTI	55320480	
608	1A	*	T90-0896-08	ANTENNA LOOP A	55208620	
609	2B	*	K29-8264-08	DEC BUTTON INP	55320490	
610	1A	*	E30-7265-08	WIRE-CABSP RD	55326710	
611	1A	*	E30-7286-08	WIRE-CABSP WH	55380860	
612	1A	*	E30-7285-08	WIRE-CABSP VT	55380850	
613	1A	*	E30-7283-08	WIRE-CABSP GN	55326730	
614	1A	*	E30-7269-08	WIRE-CABSP GY	55192270	
615	1A	*	E30-7284-08	WIRE-CABSP BL	55380840	
616	1A	*	E30-1427-05	WIRE-CABSP AUD	55192120	
617	2A	*	K29-8265-08	DEC BUTTON 6KE	55320500	
618	2B	*	K29-8266-08	DEC BUTTON 3KE	55320510	
619	2A	*	B07-2661-08	DEC KNOB RING	5532053A	
620	2B	*	B09-0904-08	DEC CAP INPUT	55320540	
621	2A	*	B09-0905-08	DEC BUTTON OPE	55320550	
622	2A	*	B09-0906-08	DEC BUTTON PLA	55320560	
623	2A	*	B09-0907-08	DEC BUTTON STO	55320570	
624	2A	*	B09-0908-08	DEC BUTTON SKI	55320580	
625	2A	*	B09-0909-08	DEC BUTTON RIN	55320590	
626	2A	*	B12-0471-08	MLD INDICATOR	55320600	
627	2A	*	F07-2005-08	DEC COVER INDI	55516080	
628	1A	*	E69-0012-05	CON SCART + RC	55240100	
632	1A	*	A70-1600-08	EPR RCT REMOCO	55395040	ET
632	1A	*	A70-1601-08	EPR RCT REMOCO	55395140	X
633	1A	*	A01-3881-08	PUN COVER TOP	5532068A	ET
638	1C	*	J42-0350-08	MLD CLAMP AC C	55125180	
639	1C	*	E30-7251-08	WIRE-MCRDM 0.7	55190790	E
639	1C	*	E30-7252-08	WIRE-MCRDM 0.7	55190800	T
639	1C	*	E30-7253-08	WIRE-MCRDM 0.7	55190820	X
640	2B	*	D40-1787-08	OK TVM 502 T	10718640	
642	2C	*	S68-0151-08	SWIPUSH POWER	55344560	
643	2A	*	G11-2923-08	FOOT RUBBER RO	55335210	
644	2C	*	G11-2924-08	FOOT RUBBER RO	55335220	
645	1B	*	W02-2965-08	EPR TUNER MODU	5516113A	ET
645	1B	*	W02-2966-08	EPR TUNER MODU	5521783A	X
646	1B	*	W02-2985-08	ASY SMPS MODUL	55408750	
651	2B	*	J19-6368-08	MLD HOLDER SW	55320640	
655	1B,1C	*	E35-3466-08	FFC-JUMPER,13P	55328220	
656	1B	*	E35-3467-08	FFC-JUMPER,19P	55182940	
-	-	*	B60-5290-08	BOOK INSTR (EN)	55405180	TX
-	-	*	B60-5291-08	BOOK INSTR (FR)	55405190	E
-	-	*	B60-5292-08	BOOK INSTR (GE)	55405200	E
-	-	*	B60-5293-08	BOOK INSTR (NE)	55405210	E
-	-	*	B60-5294-08	BOOK INSTR (IT)	55405220	E
-	-	*	B60-5295-08	BOOK INSTR (ES)	55405240	E

L: Scandinavia
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Y: AAF(Europe)
K: USA
T: England
X: Australia
P: Canada
E: Europe
Q: Russia
R: Mexico
G: Germany
H: Korea
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PARTS LIST

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3

Ref. No	New Parts	Parts No.	Destination
MAIN (X09-6650-10/55344180)			
C1,2 C3,4 C5 C7 C10		CK73GB1H103K CC73GCH1H220J CK73GB1C104K CK73GB1C104K CK73GB1C104K	
C11,12 C13,14 C15 C16,17 C18		CC73GCH1H102J CC73GCH1H101J CK73GB1H103K CE04LW1H100M CK73GB1H103K	
C19 C20 C23,24 C26 C27		CC73GCH1H102J CK73GB1H103K CK73GB1C104K CE04LW1H2R2M CK73GB1C104K	
C28 C29 C30 C31 C32		CE04LW1H100M CC73GCH1H470J CK73GB1H221K CC73GCH1H470J CK73GB1C104K	
C33,34 C37 C38 C39,40 C41		CK73GB1H103K CE04LW1H100M CC73GCH1H471J CK73GB1H103K CE04LW1C100M	
C42,43 C46 C47 C49 C50		CE04LW1E470M CE04LW1E470M CE04LW1H2R2M CC73GCH1H471J CK73GB1C104K	
C53 C54 C58 C59-63 C64-69		CE04LW1E470M CK73GB1H103K CE04LW1A101M CE04LW1H100M CK73GB1H103K	
C70 C71,72 C73 C74-76 C77,78		CE04LW1H100M CK73GB1H222K CK73GB1H223K CK73GB1H222K CC73GCH1H821J	
C79 C80-82 C83-88 C98 C101,102		CK73GB1H223K CC73GCH1H821J CE04LW1H100M CK73GB1C104K CK73GB1H103K	
C113 C114-116 C117 C118 C119		CE04LW1H4R7M CE04LW1H100M CC73GCH1H101J CC73GCH1H030C CE04LW1H220M	
C120,121 C122 C123 C124-126 C127-129		CC73GCH1H101J CE04LW1H100M CC73GCH1H390J CC73GCH1H101J CK73GB1C224K	
C130 C131 C132,133 C134 C135,136		CE04LW1H470M CK73GB1C224K CK73GB1H473K CE04LW1H470M CK73GB1H473K	
C137,138 C139,140 C141 C142,143 C144,145		CK73GB1H472K CE04LW1E470M CK73GB1H103K CE04LW1H100M CK73GB1H103K	
C151,152 C153 C154,155 C158 C160		CK73GB1H103K CE04LW1H010M CE04LW1E101M CK73GB1H103K CC73GCH1H102J	
C161-166 C167-178 C179,180 C181 C182		CK73GB1H221K CC73GCH1H101J CC73GCH1H102J CK73GB1H221K CE04LW1V101M	

Ref. No	New Parts	Parts No.	Destination
C183 C184 C500-505 C506 C507-511		CC73GCH1H220J CE04LW1E221M CE04LW1H2R2M CE04LW1C220M CK73GB1H152K	
C512 C513-519 C520 C521 C522,523		CK73GB1H103K CK73GB1H103K CE04LW1H331M CE04LW1H470M CE04LW1H331M	
C524,525 C526-528 C529 C530 C531		CE04LW1H470M CK73GB1H103K CE04LW1H470M CE04LW1H331M CE04LW1H470M	
C532 C533 C534 C535-537 C538-543		CE04LW1H331M CE04LW1H470M CE04LW1H331M CK73GB1H103K C93-1174-05	
C547-549 C550 C551 C552 C553		CK73GB1H103K CC73GCH1H101J CE04LW1H331M CC73GCH1H101J CE04LW1H331M	
C554 C555 C556-561 C562-567 C568-570		CC73GCH1H101J CE04LW1H331M CK73GB1C104K CC73GCH1H101J CK73GB1C104K	
C571 C572 C573 C574 C575		CC73GCH1H121J CK73GB1H221K CC73GCH1H560J CC73GCH1H820J CC73GCH1H181J	
C576 C577-588 C589,590 C591-594 C599-602		CC73GCH1H330J CF92FV1H224J CK73GB1H472K CC73GCH1H101J CC73GCH1H100D	
C604 C605 C610,611 C612 C613		CE04LW1H010M CE04LW1A221M CK73GB1C104K CE04LW1E470M CE04LW1H4R7M	
C615 C616-621 C705,706 C707-712 C713,714		CE04LW1C220M CK73GB1H472K CK73GB1H103K CC73GCH1H470J CK73GB1H223K	
C715-720 C721-726		CE04LW1H2R2M CC73GCH1H470J	
CP10 HP51 J1 J2-4 J500		E41-0824-08 E11-0957-08 E63-1268-05 E63-1269-05 E70-0165-08	
L1,2 L3 L4-8 L10 L11		L92-0089-05 L33-1654-05 L92-0089-05 L92-0089-05 L33-1656-08	
L13 L500 L501-506 X1 X2		L92-0089-05 L33-1655-08 L33-1657-08 L78-0751-05 L77-2355-08	
R1,2 R3,4 R7 R8,9 R10		RK73GB1J100J RK73GB1J750J RK73GB1J101J RK73GB1J100J RK73GB1J100J	
R11,12 R13,14 R15-17 R18-21		RK73GB1J561J RK73GB1J101J RK73GB1J202J RK73GB1J100J	

Ref. No	New Parts	Parts No.	Destination
R22,23 R24 R25		RK73GB1J103J RK73GB1J121J RK73GB1J100J	
R26-29 R30,31 R32 R33-38 R39-42		RK73GB1J121J RK73GB1J102J RK73GB1J101J RK73GB1J102J RK73GB1J103J	
R43 R44 R45 R46 R47		RK73GB1J472J RK73GB1J103J RK73GB2B1R0J RK73GB1J103J RK73GB1J472J	
R48 R49 R50 R51 R53		RK73GB1J104J RK73GB1J103J RK73GB1J121J RK73GB1J103J RK73GB1J103J	
R54 R55 R56 R57 R58,59		RK73GB1J183J RK73GB1J332J RK73GB1J1R0J RK73GB1J102J RK73GB1J332J	
R60 R61 R62 R63 R64		RK73GB1J101J RK73GB1J1R0J RK73GB1J222J RK73GB1J100J RK73GB1J1R0J	
R65 R66 R67 R68,69 R70,71		RK73GB1J332J RK73GB1J1R0J RK73GB1J100J RK73GB1J103J RK73GB1J472J	
R74 R75-77 R78-80 R81-86 R87,88		RK73GB1J333J RK73GB1J121J RK73GB1J103J RK73GB1J470J RK73GB1J222J	
R89,90 R91 R95-100 R106-107 R108		RK73GB1J103J RK73GB2B1R0J RK73GB1J100J RK73GB1J332J RK73GB1J512J	
R109-111 R112-117 R118,119 R120 R121-123		RK73GB1J332J RK73GB1J104J RK73GB1J911J RK73GB1J103J RK73GB1J911J	
R124,125 R126,127 R128 R129-131 R132,133		RK73GB1J332J RK73GB1J272J RK73GB1J103J RK73GB1J272J RK73GB1J562J	
R134 R135-137 R138,139 R140 R141		RK73GB1J103J RK73GB1J562J RK73GB1J470J RK73GB1J101J RK73GB1J470J	
R142-144 R145 R147,148 R150,151 R157		RK73GB1J121J RK73GB1J470J RK73GB1J104J RK73GB1J104J RK73GB1J105J	
R158 R159 R160 R161 R169		RK73GB1J392J RK73GB1J103J RK73GB1J243J RK73GB1J103J RK73GB1J393J	
R174 R178 R179 R180 R181		RK73GB1J393J RK73GB1J105J RK73GB1J392J RK73GB1J103J RK73GB1J243J	
R182 R185 R190,191		RK73GB1J103J RK73GB1J104J RK73GB1J470J	

L: Scandinavia K: USA P: Canada R: Mexico C: China
Y: PX(Far East,Hawaii) T: England E: Europe G: Germany V: China(Shanghai)
Y: AAFES(Europe) X: Australia Q: Russia H: Korea M: Other Areas

I: Malaysia

△ indicates safety critical component

DVR-8100

PARTS LIST

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Parts without **Parts No.** are not supplied.

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Teile ohne **Parts No.** werden nicht geliefert.

4

Ref. No	New Parts	Parts No.	Destination
R194		RK73GB1J472J	
R195		RK73GB1J202J	
R196, 197		RK73GB1J470J	
R199		RK73GB1J105J	
R200		RK73GB1J103J	
R201		RK73GB1J124J	
R202, 203		RK73GB1J103J	
R204		RK73GB1J272J	
R205, 206		RK73GB1J103J	
R207, 208		RK73GB1J102J	
R209		RK73GB1J103J	
R210		RK73GB1J133J	
R211		RK73GB1J103J	
R212		RK73GB1J470J	
R213, 214		RK73GB1J100J	
Δ R215		RS14KB3A271J	
R216-220		RK73GB1J472J	
Δ R221		RS14KB3A271J	
R225		RK73GB1J103J	
R226		RK73GB1J102J	
R233		RK73GB1J472J	
R235		RK73GB1J102J	
R236, 237		RK73FB2A103J	
R238		RK73GB1J104J	
R239		RK73GB1J470J	
R246		RK73GB1J103J	
Δ R248, 249		RK73GB1J1R0J	
R252		RK73GB1J102J	
R253		RK73GB1J101J	
R258		RK73GB1J121J	
R264-269		RK73GB1J474J	
R272, 273		RK73GB1J102J	
R274, 275		RK73GB1J222J	
R276, 277		RK73GB1J102J	
R278, 279		RK73GB1J121J	
R280		RK73GB1J470J	
R281, 282		RK73GB1J1R0J	
R283		RK73GB1J103J	ET
R284		RK73GB1J1R0J	X
R285, 286		RK73GB1J470J	
R301-314		RK73GB1J121J	
R350		RK73GB1J222J	
R351		RK73GB1J103J	
R352-358		RK73GB1J202J	
R359, 360		RK73GB1J103J	
R361-364		RK73GB1J222J	
R365-367		RK73GB1J103J	
R368-371		RK73GB1J222J	
R372		RK73GB1J103J	
R372		RK73GB1J202J	
R373		RK73GB1J222J	
R373		RK73GB1J222J	
R374, 375		RK73GB1J103J	
R376		RK73GB1J222J	
R380-382		RK73GB1J202J	
R501		RK73GB1J821J	
R502-513		RK73GB1J222J	
R514		RK73GB1J472J	
R515-520		RK73GB1J473J	
R521		RK73GB1J361J	
R522		RK73GB1J104J	
R523		RK73GB1J473J	
R533-535		RK73EB2B100J	
R536-541		RK73GB1J203J	
R542		RK73GB1J102J	
R543-548		RK73GB1J203J	
R549		RK73GB1J241J	
R550-554		RK73GB1J241J	
R555-557		RK73GB1J822J	
R558-560		RK73GB1J224J	
R561-563		RK73GB1J244J	
R567-569		RK73GB1J222J	
R570-572		RK73GB1J912J	
R573		RK73GB1J122J	
R574		RK73GB1J102J	
R575		RK73GB1J122J	
R576		RK73GB1J102J	

Ref. No	New Parts	Parts No.	Destination
R577		RK73GB1J122J	
R578		RK73GB1J102J	
R579-581		RK73GB1J912J	
R582		RK73GB1J122J	
R583		RK73GB1J102J	
R584		RK73GB1J122J	
R585		RK73GB1J102J	
R586		RK73GB1J122J	
R587		RK73GB1J102J	
R588		RK73GB1J122J	
R589		RK73GB1J102J	
R590		RK73GB1J122J	
R591		RK73GB1J102J	
R592		RK73GB1J122J	
R593		RK73GB1J102J	
R594		RK73GB1J122J	
R595		RK73GB1J102J	
R596		RK73GB1J122J	
R597		RK73GB1J102J	
R598		RK73GB1J122J	
R599		RK73GB1J102J	
R600, 601		RK73GB1J912J	
R602, 603		RK73GB1J103J	
R604, 605		RK73GB1J912J	
R606, 607		RK73GB1J103J	
R608, 609		RK73GB1J912J	
R610, 611		RK73GB1J103J	
R614-619		RS14KB3D6R8J	
R620-625		RK73GB1J333J	
Δ R630-633		RS14KB3D471J	
R634-637		RK73GB1J121J	
R643		RK73GB1J104J	
R644		RS14KB3D820J	
R645		RS14KB3D331J	
R647		RK73GB1J103J	
R648		RK73GB1J681J	
R649, 650		RK73GB1J103J	
R651-653		RK73GB1J153J	
R655-660		RK73GB1J473J	
R661		RK73GB1J333J	
R662		RK73GB1J272J	
R663		RK73GB1J472J	
R664		RK73GB1J222J	
R665		RK73GB1J153J	
R666		RK73GB1J222J	
R701, 702		RK73GB1J752J	
R703, 704		RK73GB1J203J	
R705, 706		RK73GB1J752J	
R707, 708		RK73GB1J203J	
R709, 710		RK73GB1J752J	
R711, 712		RK73GB1J203J	
R713, 714		RK73GB1J100J	
VR1-6		R12-3688-05	
K500-502		S76-0136-08	
D1, 2		UD26.8B	
D3		1SS355	
D7-10		1SS355	
D500		UD23.9B	
D501-513	*	SFPX-62	
D514-518		1SS355	
D519		ZNR5V1B0.2W	
D530-535		1SS355	
IC1, 2		74VHC574MX	
IC3	*	74VHC157MX	
IC5	*	AT27LV020A-90JC	
IC7	*	AK4586	
IC8	*	74VHC244AMX	
IC9	*	CS493263-CL	
IC10	*	BA033FP	
Δ IC11	*	BA25BC0FP	
Δ IC12	*	BA05FP	
IC13-15		BA4558F	
IC13-15		KIA4558F	
IC19		BA4558F	
IC19		KIA4558F	

Ref. No	New Parts	Parts No.	Destination
IC21		M24C02WMN6	
IC22	*	CXP82860-367Q	
IC23	*	BD3811(7)	
Δ IC24		KIA7812API	
Δ IC25		KIA7912PI	
IC26		KIA7045P	
Δ IC501-503	*	TA2022	
Δ IC505		KIA7805API	
IC701-703		BA4558F	
IC701-703		KIA4558F	
Q1		KTA1504Y	
Q2		DTC113ZK	
Q3, 4		KTD1304	
Q5		DTA114YKA	
Q7		KTC3875Y	
Q8	*	BC817	
Q500		DTC114YKA	
Q501-506		KTD1304	
Q507		KTA1504Y	
Q508-513		DTC114YKA	
Q514		KTC3875Y	
Q515		KTC3875Y	
Q516		KTA1504Y	
Q520		KTC3875Y	
Q521, 522		KTA1504Y	
A1, 2		W02-2716-05	
A3		W02-2717-05	
FRONT (553344200)			
D501	*	B30-2650-08	
D502		B30-2638-08	
C501, 502		CK73GB1C104K	
C505		CE04LW1A101M	
C506		CC73GCH1H102J	
C507-509		CK45FB1H473Z	
C520		CE04LW1C470M	
L501	*	L33-1658-08	
X501		L77-2355-08	
R452		RK73GB1J181J	
R501		RK73GB1J152J	ET
R501		RK73GB1J682J	X
R502		RK73GB1J103J	
R503		RK73GB1J331J	
R504		RK73GB1J102J	
R506, 507		RK73GB1J102J	
R508, 509		RK73GB1J103J	
R511-513		RK73GB1J103J	
R519		RK73GB1J821J	
R520		RK73GB1J102J	
R521		RK73GB1J122J	
R522		RK73GB1J152J	
R523		RK73GB1J182J	
R524		RK73GB1J242J	
R525		RK73GB1J332J	
R526		RK73GB1J472J	
R527		RK73GB1J682J	
R528		RK73GB1J123J	
R529		RK73GB1J183J	
R530		RK73GB1J821J	
R531		RK73GB1J102J	
R532		RK73GB1J122J	
R533		RK73GB1J152J	
R534		RK73GB1J182J	
R535		RK73GB1J242J	
R536		RK73GB1J332J	
R537		RK73GB1J472J	
R538		RK73GB1J682J	
R539		RK73GB1J123J	
R550-590		RK73GB1J104J	
R591		RK73GB1J181J	
R592		RK73GB1J103J	
R593		RK73GB1J471J	
S500		T99-0668-08	
S501, 502		S70-0087-08	
S503	*	S70-0104-08	

L : Scandinavia

K : USA

P : Canada

R : Mexico

C : China

Y : PK(Far East, Hawaii)

T : England

E : Europe

G : Germany

V : China(Shanghai)

Y : AAFES(Europe)

X : Australia

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H : Korea

M : Other Areas

I : Malaysia

Δ indicates safety critical components.

DVR-8100

PARTS LIST

* New Parts
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Teile ohne **Parts No.** werden nicht geliefert.

5

Ref. No	New Parts	Parts No.	Destination
S504,505 S507 S514,515 S517 S519		S70-0087-08 S70-0087-08 S70-0087-08 S70-0087-08 S70-0087-08	
S521		S70-0087-08	
D504,505 FL51 IC51	* *	1SS355 15-BT-85GNK CXP82832-342Q	
Q501 Q502 RM51		KTC3875Y DTC114YKA W02-2935-08	
DVD (55344210)			
C601-604 C607-610 C611 C612-615 C616,617		CK73GB1C104K CK73GB1C104K CE04LW1H010M CE04LW1C101M CE04LW1C470M	
C618 C619 C620 C621 C622-627		CE04LW1C101M CE04LW1H010M CE04LW1C101M CE04LW0J471M CE04LW1C470M	
C628 C629 C630 C631 C632,633		CE04LW1C101M CE04LW1C470M CE04LW0J471M CE04LW1C100M CE04LW1C101M	
C634 C635,636 C637 C638 C639		CE04LW0J471M CE04LW1C101M CE04LW1H010M CE04LW1C100M CE04LW1C101M	
C640 C641 C642-644 C645,646 C647,648		CK73GB1C104Z CC73GCH1H471J CK73GB1C104K CK73GB1H222K CC73GCH1H331J	
C649 C650,651 C652-654 C655,656 C657,658		CC73GCH1H200J CC73GCH1H220J CK73GB1C104K CK73GB1H103K CK73GB1C104K	
C659 C660-663 C664 C665 C666-668		CK73GB1H103K CC73GCH1H100D CK73GB1C104K CK73GB1H103K CK73GB1C104K	
C669,670 C671-680 C681,682 C683-686 C687-689		CC73GCH1H680J CK73GB1C104K CC73GCH1H101J CK73GB1C104K CC73GCH1H561J	
C690,691 C692-694 C695,696 C697 C701		CC73GCH1H100D CK73GB1C104K CC73GCH1H102J CK73GB1C104K CE04LW1C470M	
C702 C703-706 C707,708 C709 C710		CK73GB1H103K CE04LW1C470M CK73GB1H103K CC73GCH1H101J CE04LW1C470M	
C711-718 C719-721 C722-725 C731-734 C735,736		CC73GCH1H470J CC73GCH1H101J CC73GCH1H470J CE04LW1C470M CK73GB1C104K	
C737-739 C740 C741 C742 C799		CE04LW1H010M CK73GB1C224K CE04LW1C470M CK73GB1C104K CK73GB1C104K	
CP60 NJ61	* *	E41-0800-08 E63-1310-08	

Ref. No	New Parts	Parts No.	Destination
NJ62,63 NJ64,65	* *	E63-1309-08 E56-0052-08	
L601 L602 L603-605 L606 L607		L32-1047-08 L90-0361-08 L90-0363-08 L32-1047-08 L32-1047-08	
L608 L609 L610 L611 Y501		L32-1047-08 L90-0363-08 L90-0361-08 L32-1047-08 L77-2326-08	
R601-611 R612-614 R615-618 R619-624 R625-633		R90-1333-08 RK73GB1J750J RK73GB1J470J RK73GB1J331J RK73GB1J470J	
R634 R635 R636-639 R640-642 R643,644		RK73GB1J473J RK73GB1J470J RK73GB1J470J RK73GB1J103J RK73GB1J472J	
R646 R647 R648 R649,650 R651		RK73GB1J000J RK73GB1J472J RK73GB1J103J RK73GB1J470J RK73GB1J100J	
R652,653 R654,655 R656,657 R658,659 R660,661		RK73GB1J470J RK73GB1J182J RK73GB1J101J RK73GB1J103J RK73GB1J470J	
R662 R663,664 R665,666 R667,668 R669		RK73GB1J103J RK73GB1J470J RK73GB1J473J RK73GB1J562J RK73GB1J470J	
R670,671 R672 R673,674 R675-678 R679		RK73GB1J392J RK73GB1J470J RK73GB1J912J RK73GB1J470J RK73GB1J824J	
R680-682 R683,684 R685 R686 R687		RK73GB1J470J RK73GB1J103J RK73GB1J470J RK73GB1J101J RK73GB1J560J	
R688 R689-691 R692 R693 R694		RK73GB1J105J RK73GB1J750J RK73GB1J473J RK73GB1J472J RK73FB2A274J	
R695-698 R699 R700 R701-707 R708		R90-1333-08 RK73GB1J562J RK73GB1J103J RK73GB1J104J RK73GB1J222J	
R709-714 R715 R716-727 R728,729 R730,731		RK73GB1J750J RK73GB1J000J RK73GB1J104J RK73GB1J750J RK73GB1J104J	
R732,733 R734,735 R736 R737 R738		RK73GB1J750J RK73GB1J104J RK73GB1J750J RK73GB1J104J RK73GB1J750J	
R739 R740 R741 R742 R743		RK73GB1J104J RK73GB1J102J RK73GB1J683J RK73GB1J473J RK73FB2A2002F	
R744 R745 R746,747 R748		RK73FB2A2002F RK73GB1J472J RK73GB1J103J RK73GB1J100J	

Ref. No	New Parts	Parts No.	Destination
R749 R750,751 R752 R753,754 R755,756		RK73GB1J103J RK73GB1J750J RK73GB1J103J RK73GB1J470J RK73GB1J104J	
R757 R758,759 R760-763 R764 R765		RK73GB1J470J RK73GB1J102J RK73GB1J472J RK73GB1J473J RK73GB1J000J	
R766 R767-769 R770 R771,772 R773-775		RK73GB1J471J RK73GB1J470J RK73GB1J473J RK73GB1J471J RK73GB1J103J	
R776,777 R778 R779 R780 R782,783		RK73GB1J220J RK73GB1J562J RK73GB1J182J RK73GB1J102J RK73GB1J000J	
D601 D602 D603,604 D605 D606		UZ5V6 RB501V-40 1N4148 UDZ2.2B 1SS355	
D607,608 IC61 IC61 IC62 IC63	* *	JUMPER STI5518MVB STI5519 M24C02WMN6 HY57V641620HGT	
IC63 IC63 IC64 IC65 IC66		HY57V651620 KS641632DTCCL80 PCM1748KE BA4560F M29W800AT	
IC66 IC66 IC67 IC68 IC69		SST39VF800A904 TMS29LF80 M74HCU04M1R MM1540AFBE FAN8082	
IC70 IC71 IC72 IC73 IC74	* *	LA79510E BA033FP BA25BC0FP SI-3050C KIA7812API	
Q601,602 Q603,604 Q605 Q606,607 Q608		KTC3875Y DTC323TK KRA107S KTC3875Y KTA1504Y	
Q609 Q610		DTC114YKA KTA1023Y	

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I: Malaysia

△ indicates safety critical components

DVR-8100

SPECIFICATIONS

Main unit

[Amplifier section]

Effective output power during STEREO operation	
1 kHz, 10 % T.H.D. at 6 Ω	75 W + 75 W
Effective output power during SURROUND operation	
Front (1 kHz, 10 % T.H.D. at 6 Ω)	75 W + 75 W
Center (1 kHz, 10 % T.H.D. at 6 Ω)	75 W
Subwoofer (100 Hz, 10 % T.H.D. at 6 Ω)	75 W
Surround (1 kHz, 10 % T.H.D. at 6 Ω)	75 W + 75 W
Input sensitivity / impedance	
VCR / SAT / CABLE	480 mV / 68 k Ω
Output level / impedance	
VCR	480 mV / 1 k Ω

[Tuner section]

FM tuner section	
Tuning frequency range	87.5 MHz ~ 108 MHz
AM tuner section	
Tuning frequency range (for U.K., Europe and Australia)	531 kHz ~ 1,602 kHz
Tuning frequency range (for other countries)	531 kHz ~ 1,602 kHz / 530 kHz ~ 1,610 kHz

[DVD/CD/VIDEO CD player section]

Laser	Semiconductor laser
When playing a DVD :	
Laser wave length	635 ~ 665 nm
Laser power class	Class 2 (IEC)
When playing a CD :	
Laser wave length	770 ~ 810 nm
Laser power class	Class 3A (IEC)
Wow & Flutter	Less than unmeasurable Limit
Video output format	NTSC/PAL



1. KENWOOD follows a policy of continuous advancements in development. For this reason specifications may be changed without notice.
2. Sufficient performance may not be possible at very low temperatures (0°C or less).

VIDEO OUTPUT

Composite video output level/impedance	1 Vp-p (75 Ω)
S-video output	
Y output level/impedance	1 Vp-p (75 Ω)
C output level/impedance	
NTSC	0.286 Vp-p (75 Ω)
PAL	0.3 Vp-p (75 Ω)
Component video output	
Y output level/impedance	1 Vp-p (75 Ω)
C _b output level/impedance	0.7 Vp-p (75 Ω)
C _r output level/impedance	0.7 Vp-p (75 Ω)
Compression format	MPEG1/MPEG2

[DIGITAL AUDIO section]

Sampling frequency	32 kHz, 44.1 kHz, 48 kHz
Input level/impedance/wave length	
Optical	-15 dBm ~ 21 dBm (660 nm \pm 30 nm)
Coaxial	0.6 Vp-p (75 Ω)
Digital output	-15 dBm ~ 21 dBm (Wave length 660 nm)

[General]

Power consumption	75 W (for U.K.) 75 W (for other countries)
Dimensions	W: 400 mm H: 78 mm D: 390 mm
Weight (net)	5.3 kg

Note:

Component and circuit are subject to modification to insure best operation under differing local conditions. This manual is based on Europe (E) standard, and provides information on regional circuit modification through use of alternate schematic diagrams, and information on regional component variations through use of parts list.

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KENWOOD ELECTRONICS (THAILAND) CO., LTD.

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